

# Resource Summary Report

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## Segmentation of Hippocampus Subfields

RRID:SCR\_005996

Type: Tool

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### Proper Citation

Segmentation of Hippocampus Subfields (RRID:SCR\_005996)

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### Resource Information

**URL:** <http://freesurfer.net/fswiki/HippocampalSubfieldSegmentation>

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**Description:** A software package for automatic segmentation of hippocampal subfields in magnetic resonance images. Given a pair of T1-weighted and T2-weighted images (the latter acquired using a protocol tuned for hippocampus imaging), ASHS will automatically label main subfields of the hippocampus, and some extra-hippocampal structures, using multi-atlas segmentation. The main method is described in the Yushkevich et al. 2011 Neuroimage paper (<http://tinyurl.com/cffrp3p>). \* execution requires: Advanced Normalization Tools, FSL

**Abbreviations:** ASHS

**Synonyms:** Automatic Segmentation of Hippocampal Subfields, HippocampalSubfieldSegmentation

**Resource Type:** software application, image analysis software, data processing software, software resource, segmentation software

**Defining Citation:** [PMID:19405131](#), [PMID:20600984](#)

**Keywords:** hippocampus, mri, t1-weighted image, t2-weighted image, ca1, ca2, ca3, statistical modeling, magnetic resonance

**Availability:** GNU General Public License

**Resource Name:** Segmentation of Hippocampus Subfields

**Resource ID:** SCR\_005996

**Alternate IDs:** nlx\_151370

**Alternate URLs:** <http://www.nitrc.org/projects/ashs>

**Record Creation Time:** 20220129T080233+0000

**Record Last Update:** 20260817T040407+0000

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## Ratings and Alerts

No rating or validation information has been found for Segmentation of Hippocampus Subfields.

No alerts have been found for Segmentation of Hippocampus Subfields.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 8 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [ASWG](#) .

Fu ZH, et al. (2026) Synthetic rewriting of the IGH locus. Cell genomics, 6(6), 101252.

Zheng L, et al. (2025) Newly trained navigation and verbal memory skills in humans elicit changes in task-related networks but not brain structure. eLife, 14.

Miller TD, et al. (2025) CA2/3-dependent stability of frontal mnemonic representations predict episodic deficits in human amnesia. Cell reports, 44(11), 116527.

Wanjia G, et al. (2025) Repulsion of hippocampal representations driven by distinct internal beliefs. Current biology : CB, 35(12), 2893.

Cha J, et al. (2017) The Effects of Obstructive Sleep Apnea Syndrome on the Dentate Gyrus and Learning and Memory in Children. The Journal of neuroscience : the official journal of the Society for Neuroscience, 37(16), 4280.

Giuliano A, et al. (2017) Hippocampal subfields at ultra high field MRI: An overview of segmentation and measurement methods. Hippocampus, 27(5), 481.

Xiao X, et al. (2017) Transformed Neural Pattern Reinstatement during Episodic Memory Retrieval. The Journal of neuroscience : the official journal of the Society for Neuroscience, 37(11), 2986.

Sone D, et al. (2016) Automated subfield volumetric analysis of hippocampus in temporal lobe epilepsy using high-resolution T2-weighted MR imaging. NeuroImage. Clinical, 12, 57.